MISSOURI BOTANICAL GARDEN
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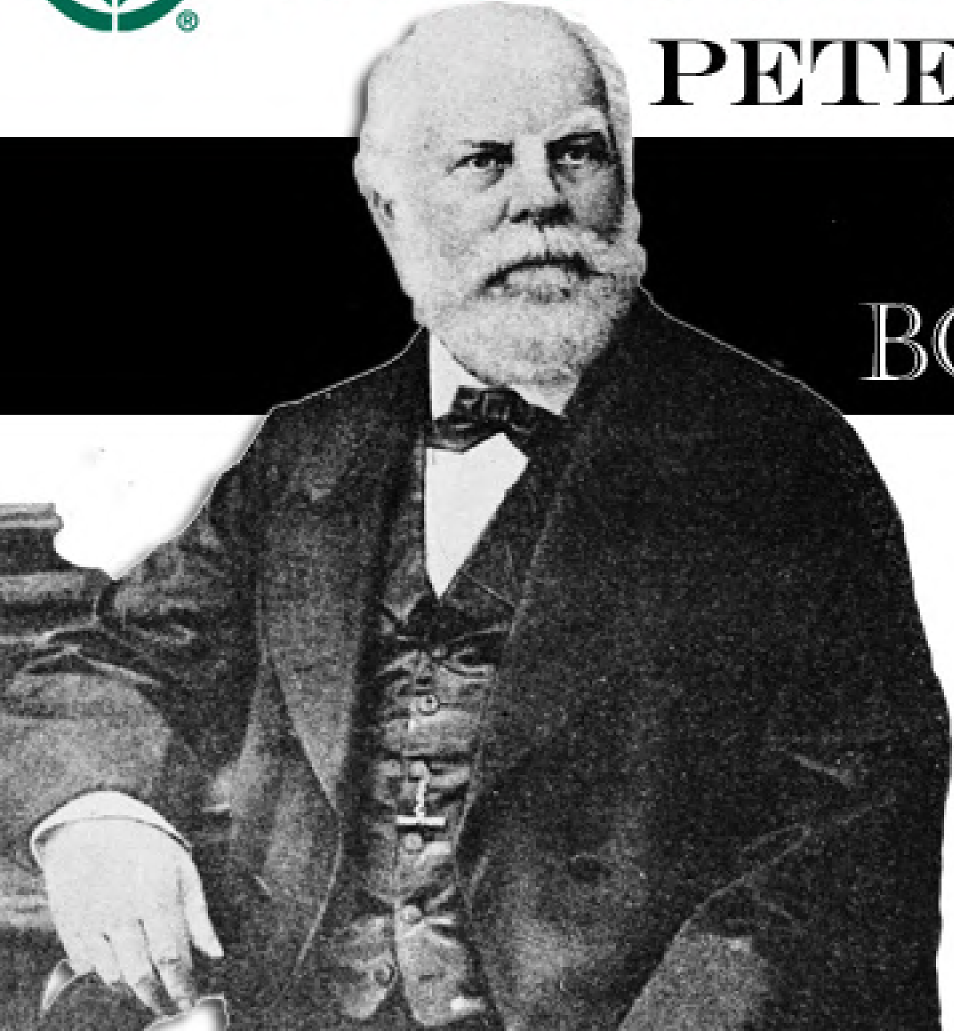

GEORGE ENGELMANN BOTANICAL NOTEBOOKS

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51 Sapindaceae

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MISSOURI
BOTANICAL
GARDEN

Linaria simplex Cand
Antirrhinum parviflorum Jacq.
" simplex. W.

Spr II, 795

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Gallia. Caucas.

H. B. Fr. 1826

588A

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51 Sapind

588

	Acer saccharinum	Acer nigrum
arbor		
cortex		
petiolus	gracilis folio plerumque longior	robustior folio plerumque brevior
folium	majus, tenuius, pallidius	minus, firmius, obscurius
	sinus inter lobos majores angusti acuti	sinus lati obtusi
	lobi 3 superiores 5 dentati	3 dentati
	2 exteriores 1 dentati	edentati integri
samara	nuce obliqua oblonga (6mm lat 10mm long)	subglobosa (6-7mm lat 7-8mm long)
	alis angustioribus subparallelis	latioribus subdivaricatis
	8½ × 22mm	10–11 × 22–23mm
	(wing not much more than twice as long as seed.	(wing – ~~3–3½~~ about 3 times the lengths of seed

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589

Acer macrophyllum on the banks of the Umqua. 11 feet circumference

Oregon Aug 10 1880

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(Republican, Atlas)

590

325 : 16
760 : 8
20 ✓

225 : 16
$\frac{112 \;\; 8}{14}$

There has been more maplesugar made, last spring, than ever before on acc^t of high prices of sugar.

A farmer in Otsego C^o N.Y. made from 7 trees 225 lb sugar and 2 Gall. molasses.

which would give over ~~lb~~ 30 to the tree, or 3 trees for 100 lb — very little molasses, or about 1 lb of molasses for 14 lb. sugar!

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1-2

53 Anacardiaceae

J91A

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Erinus alpinus L.

Spr II, 769.

Europ. med. alp.

Jura [Lindheimer]

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32

Anacardiaceae

593A

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2)

not distinct from virens

Rhus pallens, n. sp. a shrub or small tree with slightly downy branchlets and inflorescence and nearly glabrous foliage; leaflets (1½ to 2 inches long) ~~in threes~~ ternate, ovate-lanceolate acute or acuminate, entire, point mostly obtusish, with a few scattered hair especially on the nerves of the upper side, dull green above, scarcely paler beneath; flowers perfect, white, in a ~~thyrsoid~~ paniculate open inflorescence terminating the branchlets; petals oblong with short claws, ovary silky; fruit not seen. – Rh virens Gray = Pl. Wright 2, 27

Along water courses in valleys of the Santa Rita Mountains; – ~~flow.~~ fl. in Sept. – Closely allied to Rh. virens, Lindh. of west Texas which has glossy, deep green pinnate leaves, pale beneath, and a glabrous ovary. Both plants have a thickened marginal nerve which gives the leaflets the appearance of being slightly revolute, at least when dry. I could not ascertain at the time (September) whether our plant is evergreen, as Rh. virens is. Rhus virens Rothrock in Wheeler's Rep. Bot. p. 84 with 3–5 leaflets is the same.

Rhus laurina, Nutt. I found near San Diego with 1 or 2 smaller leaflets at the base of the principal one, forming a transition from the single to the ternate leaf.

Rhus diversiloba, Torr. & Gr. sometimes, especially in the rich woods of the Oregon Coast-ranges and also in the Californian Red woods, climbs 30 or 40 feet high, and makes a stem or 1 or 1½ inches in diameter, while usually it is a small erect bush with stems a few lines thick. That for some persons it is very poisonous one of our party had repeated occasions to ~~expp~~ prove. Its nuts are larger than those of its eastern ally, 2½ to 3 lines wide, lenticular, irregularly tuberculated, while Rh. Toxicodendron in all its forms and localities, Arizona and Japan included, has smaller seeds, almost didymous, 1¾ to 2 lines in the largest diameter and with more or less regular blunt vertical ridges.

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May 1851

Rhus virens fl. in Octob fr. Nov. (not as stated in Pl. Lindh. fl. in March fr. in Aug.) — Fl. nearly sessile subtended by 1 inferior and 2 lateral scaly bracts — Disc 10-crenate or lobed petals bearded inside near the claws.

593

Rhus microphyllum. n. sp. — fruticosum, ramulis verrucosis foliis pinnatis trijugis, rhachidi alata; foliolis sessilibus ovalis obtusis cuspidatis biserratis ~~[illegible]~~ pilosulis, leviter crenatis floribus dioicis amentaceis ~~ante florescentia~~ praecocibus; pedicellis basi tribracteatis; disco 5 lobo, lobis emarginatis; petalis ciliatis; drupa compressa, glanduloso-pilosa, putamine laevi

N. Br — leaves 3/4-1 inch long, leaflets 3-4 lines long 1-1½ wide —

Lobadium to all appearance but pinnate leaves — Rh. virens is also a Lobadium with pinnate leaves — but developement of flowers in fall.

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